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<p>(21) International Application Number: PCT/JP97/00811 (22) International Filing Date: 14 March 1997 (14.03.97)  (30) Priority Data: 8/59571 15 March 1996 (15.03.96) JP  (71) Applicant (for all designated States except US): SAGAMI CHEMICAL RESEARCH CENTER [JP/JP]; 4-1, Nishi- Ohnuma 4-chome, Sagamihara-shi, Kanagawa 229 (JP).  (72) Inventors; and (75) Inventors/Applicants (for US only): KATO, Seishi [JP/JP]; 3-46-50, Wakamatsu, Sagamihara-shi, Kanagawa 229 (JP). SEKINE, Shingo [JP/JP]; 4-4-1, Nishi-Ohnuma, Sagamihara-shi, Kanagawa 229 (JP). YAMAGUCHI, Tomoko [JP/JP]; 5-13-11, Takasago, Katsushika-ku, Tokyo 125 (JP).  (74) Agents: AOYAMA, Tamotsu et al.; Aoyama &amp; Partners, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540 (JP).</p>		<p>(81) Designated States: AU, CA, JP, MX, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>
<p>(54) Title: HUMAN MEMBRANE ANTIGEN TM4 SUPERFAMILY PROTEIN AND DNA ENCODING THIS PROTEIN  (57) Abstract  A human membrane antigen TM4 superfamily protein existing on the osteosarcoma cell surface and a cDNA encoding this protein is provided, said protein being useful as a pharmaceutical for treatment and diagnosis of cancers and also as an antigen for preparation of an antibody against said protein.</p>		